

## CLAIMS

1. A transmitting apparatus comprising:  
symbol rate determining means for determining a  
5 symbol rate of a transmitting signal based on a  
channel variable speed between transmission and  
reception; and  
transmitting means for radio transmitting data  
based on said symbol rate.
- 10 2. The transmitting apparatus according to claim 1,  
wherein said symbol rate determining means  
determines a symbol rate such that the product of  
transmitting time per one symbol and the channel  
variable speed becomes a constant value.
- 15 3. The transmitting apparatus according to claim 1,  
wherein said symbol rate determining means  
determines a symbol rate whose error rate becomes  
minimum based on the channel variable speed and  
relative delay time of multipaths.
- 20 4. The transmitting apparatus according to claim 1,  
wherein said symbol rate determining means  
determines a symbol rate whose error rate becomes  
minimum based on the channel variable speed and a  
delay profile.
- 25 5. The transmitting apparatus according to claim 1,  
further comprising carrier wave frequency  
controlling means for controlling a central  
frequency of a carrier wave based on the symbol rate.

7. The transmitting apparatus according to claim 1,  
5 wherein said symbol rate determining means extracts  
information of the symbol rate from a signal  
transmitted from the other end of communication.

receiving means for extracting received data  
10 from a signal transmitted from the transmitting  
apparatus described in claim 7;

15       symbol rate determining means for determining a  
symbol rate based on the estimated channel  
variation; and

transmitting means for transmitting a signal  
indicative of the determined symbol rate to said  
20 transmitting apparatus.

9. A base station apparatus having a transmitting apparatus thereon, said transmitting apparatus comprising:

symbol rate determining means for determining a  
25 symbol rate of a transmitting signal based on a  
channel variable speed between transmission and  
reception; and

transmitting means for radio transmitting data

10. A base station apparatus having a receiving apparatus thereon, said receiving apparatus comprising:

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channel variation estimating means for
estimating a channel variation based on the received
10 data;

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transmitting means for transmitting a signal  
15 indicative of the determined symbol rate to said  
transmitting apparatus.

20        symbol rate determining means for determining a  
symbol rate of a transmitting signal based on a  
channel variable speed between transmission and  
reception; and

12. A communication terminal apparatus having a receiving apparatus thereon, said receiving apparatus comprising:

channel variation estimating means for  
estimating a channel variation based on the received  
data;

10       transmitting means for transmitting a signal  
indicative of the determined symbol rate to said  
transmitting apparatus.

13. A transmitting method wherein a channel variable speed between transmission and reception is detected to increase a symbol rate of a transmitting signal in an increase in said channel variable speed.

14. A transmitting method wherein a channel variable speed between transmission and reception is detected to determine a symbol rate of a transmitting signal having the highest error rate characteristic from the channel variable speed and relative delay time of multipaths.

15. A transmitting method wherein a channel variable  
25 speed between transmission and reception is  
detected to determine a symbol rate of a  
transmitting signal having the highest error rate  
characteristic from the channel variable speed and

a delay profile.

FOOTING" 51255860